



July 7, 1993

Ms. Liza Montalvo
Residual Project Manager
North Superfund Remedial Branch
U. S. Environmental Protection Agency
Region IV
345 Courtland Street, N. E.
Atlanta, Georgia 30365

**Re: Report of field Observation - FY 93, Fourth Quarter (FY93-4Q),
Lees Lane Superfund Site, Jefferson County, Kentucky,
Administrative Order on Consent, USEPA Docket No. 91-32-C**

Dear Ms. Montalvo:

In accordance with Paragraph 11, under the heading Reporting Requirements, of the subject Consent Order and Attachment 1, Operation and Maintenance Plan For Post-Removal Site Control at the Lees Lane Landfill Site, I am enclosing one (1) copy of the Report of Field Observation (Appendix J), identified as Observation Report No. FY93-4Q, for your information and files.

Please advise if you have any questions concerning the attached Report of Field Observation for FY93-4Q.

Very truly yours,

A handwritten signature in dark ink, appearing to read "C. A. Neumayer".
C. A. Neumayer
Director of Operations

CAN/dc
CAN30.5S

cc: Kentucky Natural Resource Environment Protection Cabinet
ATTN: Mr. Rick Hogan, Division of Waste Management
G. R. Garner, Executive Director
File WD-2 (Lees Lane M&M Quarterly)

DOCUMENT CONTROL NUMBER 4401-83-AGUY



10861873

REPORT OF FIELD OBSERVATION
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No: FY 93-40 Date of Observation: 6/22/93
Time Arrived Onsite: 10:40 A.M. Time Departed Site: 12:20 P.M.
Field Personnel: Carl A. Neumayer, Director of Operations and R. H. Watkins,
Support Services Administrator, Maintenance Division

Section A: General Site Conditions

Observation:	<u>Yes*</u>	<u>No</u>	<u>Not Observed</u>	<u>Comment No.</u>
1. Major settlement of topsoil or erosion exposing waste/ fill material	—	<u>X</u>	—	<u>A-1</u>
2. Evidence of leachate seepage	—	<u>X</u>	—	—
3. Distressed Vegetation	—	<u>X</u>	—	—
4. Pot holes, erosion of access road	<u>X</u>	<u>X</u>	—	<u>A-4</u>

Section B: Institutional Controls

Observation:	<u>Yes*</u>	<u>No</u>	<u>Not Observed</u>	<u>Comment No.</u>
1. Structural problem with Lee's Lane gate or barricade	—	<u>X</u>	—	—
2. Structural problem with Putman Ave. barricade	<u>X</u>	—	—	<u>B-2</u>
3. Lee's Lane gate unlocked	<u>X</u>	—	—	<u>B-3</u>
4. Broken or missing lock	—	<u>X</u>	—	—

Section C: Gas Collection System

Observation:	<u>Yes*</u>	<u>No</u>	<u>Not Observed</u>	<u>Comment No.</u>
1. Vandalism to blower house, wells, or moisture traps	—	<u>X</u>	—	—
2. Structural damage to blower house	—	<u>X</u>	—	<u>C-2</u>
3. Blower not operating or visible damage	—	<u>X</u>	—	—
4. Blower house not secure and unclean	—	<u>X</u>	—	—

Observation:	Yes*	No	Not Observed	Comment No.
5. Service box lids not in place	—	<u>X</u>	—	—
6. Alarm and blower controls not functioning	—	<u>X</u>	—	<u>C-6</u>
7. Settlement or tilting of well/moisture trap concrete collars	<u>X</u>	—	—	<u>C-7</u>
8. Well/moisture trap covers missing or damaged	<u>X</u>	—	—	<u>C-8</u>
9. Excessive vegetation covering wells/moisture traps	<u>X</u>	—	—	<u>C-9</u>
10. Adjustment valve inaccessible	—	<u>X</u>	—	—
11. Well/moisture trap caps, plugs, and piping missing or damaged	—	<u>X</u>	—	—
12. Blower house and well/moisture trap signs missing or damaged	<u>X</u>	—	—	<u>C-12</u>

Section D: Groundwater & Gas Monitor Wells

Observation:	Yes*	No	Not Observed	Comment No.
1. Wells unlocked	—	<u>X</u>	—	—
2. Guard posts and rails missing or damaged	—	<u>X</u>	—	<u>D-2</u>
3. Protective casing missing, damaged or rusted	—	<u>X</u>	—	—
4. Concrete pads damaged or cracked	—	<u>X</u>	—	—
5. Possible surface water infiltration into wells	—	<u>X</u>	—	—
6. Excessive vegetation or debris around wells	<u>X</u>	—	—	<u>D-6</u>
7. Well cap missing or damaged	—	<u>X</u>	—	—
8. Tubing, fittings, and valves missing or damaged (gas wells only)	—	—	<u>X</u>	<u>D-8</u>

Section E: Bank Protection Controls

Observation:	Yes*	No	Not Observed	Comment No.
1. Subsidence of slope, sloughing or caving	—	<u>X</u>	—	—
2. Erosion of rip-rap or underlying material	—	—	<u>X</u>	<u>E-2</u>
3. Abnormally damp areas, wet ground vegetation	—	<u>X</u>	—	—
4. Soft spots in surface	—	<u>X</u>	—	—
5. Seepage, water flow, piping, or sand boils	—	<u>X</u>	—	—
6. Undermining of rip-rap	—	<u>X</u>	—	—
7. Vegetative growth on rip-rap slope	<u>X</u>	—	—	<u>E-7</u>
8. Buildup of trash and debris on rip-rap	<u>X</u>	—	—	<u>E-8</u>
9. Exposed trash or filter fabric	—	<u>X</u>	—	—
10. Tilting trees	—	<u>X</u>	—	—
11. Tension cracks	—	—	<u>X</u>	<u>E-11</u>
12. Survey monuments missing or damaged	—	<u>X</u>	—	—

Section F: Surface Waste Cleanup/Cover

Observation:	Yes*	No	Not Observed	Comment No.
1. Swales greater than 1 foot wide and 2 inches deep	—	<u>X</u>	—	—
2. Cracks greater than 1 inch wide and 6 inches deep	—	—	<u>X</u>	<u>F-2</u>
3. Areas of erosional damage to grass	—	<u>X</u>	—	—
4. Inadequate grass cover (area > 36 ft ²)	—	<u>X</u>	—	—
5. Ponded water (area larger than 2 feet in diameter and 3 inches deep)	—	<u>X</u>	—	—
6. Erosion or ponded water greater than 12 inches deep (requires immediate repair)	—	<u>X</u>	—	—

* If yes, assign a comment no. in the last column and follow instructions on comment sheet.

REPORT OF FIELD OBSERVATION
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No. FY 93 - 40 Date of Observation: 6/22/93

Instruction: If any item is checked yes, provide details of the problem and maintenance recommendations below and indicate the location deficiency on the site map provided.

Comment No:

A-1	Observed rutted area in the vicinity of the gas collection Well No. 6. No waste material exposed at this location.
A-4	Access road crossing the central tract of the landfill site was observed in satisfactory and drivable condition. The four (4) roadway depression areas were observed with no apparent change in condition from the prior quarter observation.
B-2	Conditions observed in the vicinity of the Putnam Avenue barricade were substantially the same as those of the prior quarter observation. It was noted that MSD forces had installed an additional security cable approximately 20 feet further west to prevent unauthorized entry.
B-3	Entry gate to landfill site was open because MSD maintenance forces were working on the installation of markers for the gas collection system. The Lee's Lane gate was observed to be in working condition.

Comment No.

A-1	Rutted area in the vicinity of the gas collection Well No. 6 ordered to be filled in as part of the flood protection levee maintenance activities.
A-4	Observation of the four (4) depression areas along the access road will continue to be monitored quarterly.
B-2	No corrective action required.
B-3	No corrective action required.

REPORT OF FIELD OBSERVATION
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No. FY 93- 40 Date of Observation: 6/22/93

Instruction: If any item is checked yes, provide details of the problem and maintenance recommendations below and indicate the location deficiency on the site map provided.

Comment No:

Comment

C-1	No small arms fire damage evident to exterior surface of the blower house. Exterior concrete block surface of blower house repaired and painted by MSD forces.
C-2	Observed no structural damage to the blower house.
C-6	Alarm systems are functioning. Alarm set off upon entry to blower house.
C-7	Observation of the gas collection well system revealed several concrete well collars previously damaged by site mowing activities as reported during prior quarter observation.
C-8	Observed the gas collection wells and noted that missing well head and valve covers noted during prior quarter observation had been replaced.

Comment No.

Corrective Action Performed

C-1	No corrective action required.
C-2	No corrective action required.
C-6	No corrective action required.
C-7	Damage to the concrete well collars to be scheduled for repair following installation of the remainder of the new gas collection well markers in FY 94, first quarter.
C-8	No corrective action required.

REPORT OF FIELD OBSERVATION
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No. FY 93 - 4Q Date of Observation: 6/22/93

Instruction: If any item is checked yes, provide details of the problem and maintenance recommendations below and indicate the location deficiency on the site map provided.

Comment No:

Comment

C-9

Observed excessive vegetation growth covering gas collection wells and moisture traps throughout the landfill site.

C-12

Observed substantially all of the gas collection well identification signs were missing as reported in prior quarter observation. However, MSD maintenance forces have completed drilling holes for new markers and were in the process of installing I-beam markers as previously recommended.

D-2

Observed horizontal guardrail missing on Gas Well No. 1.

D-6

Observed excessive vegetation throughout the entire gas monitoring system. This vegetation should be cut by the MSD mowing contractor assigned to mow the flood protection levee and landfill site.

Comment No.

Corrective Action Performed

C-9

MSD will order the independent contractor providing mowing services to MSD to cut excessive vegetation growth covering gas collection wells and moisture traps.

C-12

Corrective action in progress. Estimate the installation of I-beam markers for the gas collection system to be completed by the end of the FY 94, first quarter.

D-2

Repair to guard rails on Gas Well No. 1 to be scheduled during FY 94, first quarter.

D-6

MSD to order independent contractor performing mowing services to cut the entire landfill site as described in the flood protection levee mowing contract documents.

REPORT OF FIELD OBSERVATION
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No. FY 93 - 40 Date of Observation: 6/22/93

Instruction: If any item is checked yes, provide details of the problem and maintenance recommendations below and indicate the location deficiency on the site map provided.

Comment No:

Comment

<u>D-8</u> _____ _____	<u>Condition of tubing and fittings on gas monitoring wells could not be observed because all security locks were in place.</u> _____ _____
<u>E-2</u> _____ _____	<u>Unable to observe any erosion of riprap or underlying material because of excessive vegetative growth.</u> _____ _____
<u>E-7</u> _____ _____ _____	<u>Observed evidence of spotty areas of heavy vegetative growth in the upper portion of the riprap section protecting the river bank portion of the clay cap area in the central tract of the landfill site.</u> _____ _____ _____
<u>E-8</u> _____ _____ _____	<u>Observed evidence of drift debris caused by high Ohio River water levels. Drift has been deposited on the lower portion of the riprapped section of the clay cap bank.</u> _____ _____ _____
<u>E-11</u> _____ _____	<u>Evidence of tension cracks, if any, were obscured because of the excessive vegetative growth on the clay cap portion of the landfill site.</u> _____ _____

Comment No.

Corrective Action Performed

<u>D-8</u> _____ _____	<u>No corrective action required.</u> _____ _____
<u>E-2</u> _____ _____ _____	<u>MSD will arrange to spray excessive vegetative growth with herbicide during FY 94, second quarter, in riprapped section only.</u> _____ _____ _____
<u>E-7</u> _____ _____	<u>See E-2 above.</u> _____ _____
<u>E-8</u> _____ _____ _____	<u>No corrective action proposed to remove drift from the riprapped section of the clay cap area because of the lack of proper access. Drift debris is not causing any problems at this time.</u> _____ _____ _____
<u>E-11</u> _____ _____	<u>Will observe for evidence of tension cracks in the clay cap area during the field observation to be conducted in FY 94, first quarter.</u> _____ _____

REPORT OF FIELD OBSERVATION
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No. FY 93, 4Q Date of Observation: 6/22/93

Instruction: If any item is checked yes, provide details of the problem and maintenance recommendations below and indicate the location deficiency on the site map provided.

Comment No:

Comment

F-1

Observed the major surface drainage swale starting at the
crossing of the cap access road and discharging at the top
of the riprap section. The drainage swale was observed to be
in good condition with no erosion evident or standing water
between the access road and the riprapped section.

F-2

Unable to observe noticeable cracks because of the
excessive vegetative growth on the clay cap area.

Comment No.

Corrective Action Performed

F-1

Will continue to monitor major drainage swale at quarterly
intervals for any significant evidence of erosion.

F-2

See E-11.

REPORT OF FIELD OBSERVATION
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No. FY 93-40 Date of Observation 6/22/93

Site Map

Signature of Observer:  Date: July 8, 1993
C. A. Neumayer